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TECH CENTER 1600/2900
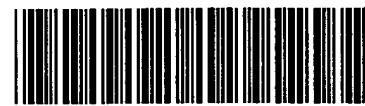
ENTERED

OIPE

```
 3 <110> APPLICANT: Inoue, Yasushi
 4        Fushimi, Naoya
 5        Mizubuchi, Hiroyuki
 6        Yamamoto, Yoshie
 7        Ohshima, Yoshie
 8        Yasutake, Nozomu
 9        Miyoshi, Shinsuke
11 <120> TITLE OF INVENTION: Promoters
13 <130> FILE REFERENCE: 3274-011309
15 <140> CURRENT APPLICATION NUMBER: 09/936,145
16 <141> CURRENT FILING DATE: 2001-09-07
18 <150> PRIOR APPLICATION NUMBER: PCT/JP00/01415
19 <151> PRIOR FILING DATE: 2000-03-08
21 <150> PRIOR APPLICATION NUMBER: US11/060904
22 <151> PRIOR FILING DATE: 1999-03-08
24 <150> PRIOR APPLICATION NUMBER: US11/286034
25 <151> PRIOR FILING DATE: 1999-10-06
27 <160> NUMBER OF SEQ ID NOS: 22
29 <170> SOFTWARE: Microsoft Word 97 SR-2
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 249
33 <212> TYPE: DNA
34 <213> ORGANISM: Bacillus amyloliquefaciens
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38 ctgaagaagt ggatcgattg tttgagaaaa gaagaagacc ataaaaatac cttgtctgtc    120
39 atcagacagg gtattttta tgctgtccag actgtccgct gtgtaaaaaa taggaataaa    180
40 gggggttgt tattatttta ctgatatgta aaatataatt tgtataagaa aatgagaggg    240
41 agaggatcc                                                           249
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45 <212> TYPE: DNA
46 <213> ORGANISM: Bacillus amyloliquefaciens
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50 ctgaagaagt ggatcgattg tttgagaaaa gaagaagacc ataaaaatac cttgtctgtc    120
51 atcagacagg gtattttta tgctgtccag actgtccgct gtgtaaaaaa taggaataaa    180
52 gggggttgt tattatttta ctgatatgta aaatataatt tgtataagaa aatgagaggg    240
53 agaggatcc ccgggtaccga gctcgaattc                                    270
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 29
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING   DATE: 03/15/2002
PATENT APPLICATION: US/09/936,145   TIME: 14:44:04

Input Set : A:\011309.txt
Output Set: N:\CRF3\03152002\I936145.raw

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60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence: Example of a primer
73       for introducing a restriction site
75 <400> SEQUENCE: 4
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79 <211> LENGTH: 50
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81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: Example of a primer
85       for introducing a restriction site
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90 <210> SEQ ID NO: 6
91 <211> LENGTH: 29
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
98 <400> SEQUENCE: 6
99 cgcggatcca tgtattacaa caggttgtt                               29
101 <210> SEQ ID NO: 7
102 <211> LENGTH: 29
103 <212> TYPE: DNA
104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
107 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
109 <400> SEQUENCE: 7
110 cgcgaattct cacacatact ccttcgtat                              29
112 <210> SEQ ID NO: 8
113 <211> LENGTH: 29
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
120 <400> SEQUENCE: 8
121 cgcggatcca tgtcttggtc aattagctc                              29
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 29
125 <212> TYPE: DNA
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Input Set : A:\011309.txt
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128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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134 <210> SEQ ID NO: 10
135 <211> LENGTH: 26
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
142 <400> SEQUENCE: 10
143 gtttcctctc cctctcattt tcttat   26
145 <210> SEQ ID NO: 11
146 <211> LENGTH: 20
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
153 <400> SEQUENCE: 11
154 atgtattaca acaggttgtt   20
156 <210> SEQ ID NO: 12
157 <211> LENGTH: 20
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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165 atgtcttggt caattagctc   20
167 <210> SEQ ID NO: 13
168 <211> LENGTH: 29
169 <212> TYPE: DNA
170 <213> ORGANISM: Artificial Sequence
172 <220> FEATURE:
173 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
175 <400> SEQUENCE: 13
176 cgcgaattca tgtattacaa caggttgtt   29
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179 <211> LENGTH: 29
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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189 <210> SEQ ID NO: 15
190 <211> LENGTH: 1581
191 <212> TYPE: DNA
192 <213> ORGANISM: Agrobacterium radiobacter M36

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Input Set : A:\011309.txt
Output Set: N:\CRF3\03152002\I936145.raw

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194 <220> FEATURE:
195 <221> NAME/KEY: Promoter
196 <222> LOCATION: 314..316
198 <220> FEATURE:
199 <221> NAME/KEY: Terminator
200 <222> LOCATION: 1559..1561
202 <220> FEATURE:
203 <221> NAME/KEY: Gene
204 <222> LOCATION: 341..1558
205 <223> OTHER INFORMATION: MIase structural gene
207 <400> SEQUENCE: 15
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209 cgccttgaaa atttccgcgc cgtcgcgctt tgccccttca gggccaaaca gatcgtcaaa  120
210 cacgggcaca ctcctcattt cgatttgcaa gatcgcaagt cgtcaagtca cataaagata  180
211 tgtttatgtc aatatatctt caagggacag gcatggcttt gcgtcgttgc gtcacgttac  240
212 gaaatatcgc tgacagatga caggtttata cggcaaggat ataagccgaa gcagcaaacg  300
213 catggaggac gcaatgcccg aagacgatca caacagccgc aactggaata ccctgccctg  360
214 gcaccgccag tggctggtga aacaggccga gggacttttc gacttcttcc agtatcgcgc  420
215 cctcaatccc gccggcggtt tcttcgatct cgacgccaag ggcgcgccgc tgcaggcaaa  480
216 cgatcccgtg cgcggcatcc atgcctctgc gcgcatggtg cattgcttct ccatcggcca  540
217 cctgctcggc cggccgggct gcggcgatat cgtcgaccac ggcatgacct atctctggaa  600
218 caaacaccgc gatggcgaac atggcggtta tttctggcag gtgaacgatg ccggcccagt  660
219 ggacgccacc aagcagggtt atggccacgc cttcgtgctt ctggccgcct cttccgccaa  720
220 gaccgtcggc cacccgctgg ccgaccggat gctggctgat attaccgaag tgctggaaag  780
221 tcgtttctgg gaagaaaaac atggcgccat cgccgaggaa ttcaatcgcg actggtcgcc  840
222 catcgacaat tatcgcggcc agaactccaa tatgcacctc accgaagcgc tgatggccgc  900
223 ctatgaggtg accggcgaca ataactatct cagcaaggcc gaacgcatcg ccgatctcgt  960
224 catccgtcgc cgcgccggcg agctggattt ccgcgtgccc gagcatttcg acgacaactg 1020
225 gacgctggac aaggactatc gcggcaacga aatgttccgc ccctccggct ccaccccccgg 1080
226 ccactggctg gaatgggcgc gtctcatcct gcaattgtgg atactgggcg aacgccgcca 1140
227 cgactggatg ccggtcgcgg ccaaatccct cttcgtgcag tccatggcgc tgggctggga 1200
228 ccgggaaaag ggcggcttct tttatacgct ggactggaat gacaatcccg acaagcgggc 1260
229 aaagctctgg tggcccatgt ccgaggcggc gggtgcggcc catttcctca acgagaacct 1320
230 gccggcggat ggcttctacg aagacagcta tcgtcgcatc tggagcacca tcgccaacaa 1380
231 ctccatcgac catgccaatg cgggctggca tgaggaactg acggaagatc tggttcccgc 1440
232 ccacacgcta ttcccaggca agggcgatat ctaccatgcg ctccaggcct gcctcatccc 1500
233 gcttttcccg gcgacgggca gcctgacgaa ggtgatcaag gaaagcggcg gggattatta 1560
234 aggcgctctg cggccaatag c                                          1581
236 <210> SEQ ID NO: 16
237 <211> LENGTH: 39
238 <212> TYPE: DNA
239 <213> ORGANISM: Artificial Sequence
241 <220> FEATURE:
242 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
244 <400> SEQUENCE: 16
245 gcatctcgag catatgcgga tcctctccct ctcattttc                        39
247 <210> SEQ ID NO: 17
248 <211> LENGTH: 31
249 <212> TYPE: DNA
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RAW SEQUENCE LISTING   DATE: 03/15/2002
PATENT APPLICATION: US/09/936,145   TIME: 14:44:04

Input Set : A:\011309.txt
Output Set: N:\CRF3\03152002\I936145.raw

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252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
255 <400> SEQUENCE: 17
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259 <211> LENGTH: 30
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial Sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
266 <400> SEQUENCE: 18
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269 <210> SEQ ID NO: 19
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271 <212> TYPE: DNA
272 <213> ORGANISM: Bacillus amyloliquefaciens
274 <400> SEQUENCE: 19
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276 tattttttca gccgtatgac aaggtcggca tcaggtgtga caaatacggt atgctggctg   120
277 tcataggtga caaatccggg ttttgcgccg tttggctttt tcacatgtct gattttttgta  180
278 taatcaacag gcacggagcc ggaatctttc gccttggaaa aataagcggc gatcgtagct   240
279 gcttccaata tggattgttc atcgggatcg ctgctttgaa ttc                     283
281 <210> SEQ ID NO: 20
282 <211> LENGTH: 28
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
289 <400> SEQUENCE: 20
290 gcatcatatg cccgaagacg atcacaac                                  28
292 <210> SEQ ID NO: 21
293 <211> LENGTH: 31
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
300 <400> SEQUENCE: 21
301 gcatctcgag ttaataatcc ccgccgcttt c                              31
303 <210> SEQ ID NO: 22
304 <211> LENGTH: 21
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
311 <400> SEQUENCE: 22
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VERIFICATION SUMMARY   DATE: 03/15/2002
PATENT APPLICATION: US/09/936,145   TIME: 14:44:06

Input Set : A:\011309.txt
Output Set: N:\CRF3\03152002\I936145.raw